



Climate-related transboundary pests and diseases including relevant aquatic species: Options for Decision Makers

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Abstract:

The movement of animal and plant pests and diseases, and invasive alien aquatic organisms across physical and political boundaries threatens food security and creates a global public concern. Countries have always allocated extensive resources to maintain animal and plant health services and to limit the spread and control, for example, avian influenza, foot-and-mouth disease and locusts. They also have cooperated regionally and globally for prevention, early warning and control of pests and diseases. Trade, traffic and travel, the traditional drivers of spread, are joined by climate change which is adding to the distribution, incidence and intensity of animal diseases, plant pests and invasive alien aquatic species. Climate change is also creating new ecological niches that allow the entry, establishment and spread of pests and diseases into new geographical areas and from one region to another.

Source: http://www.fao.org/fileadmin/user_upload/foodclimate/presentations/diseases/OptionsEM3.pdf

Resource Description

Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience: ☒

audience to whom the resource is directed

Policymaker

Exposure : ☒

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Food/Water Quality, Food/Water Security

Food/Water Quality: Pathogen

Geographic Feature: ☒

Climate Change and Human Health Literature Portal

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Vectorborne Disease

Vectorborne Disease: General Vectorborne

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Workers

Resource Type:

format or standard characteristic of resource

Policy/Opinion

Timescale:

time period studied

Time Scale Unspecified